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11	APPLICATION NO. 96-1		EXHIBIT
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13	OLYMPIC PIPELINE COMPANY CROSS CASCADE PIPELINE PROJECT		
14	CROSS CASCADE I II ELI	NETROJECT	
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17		PREFILED D	IRECT TESTIMONY
18			
19	WITNESS: ISSUES:		JEBELACKER DESOLIDOES VARAMA TREATY DROTECTED
20	ISSUES:		RESOURCES, YAKAMA TREATY PROTECTED AND OTHER YIN INTERESTS PERTAINING
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	Uebelacker Direct Testimony Page 1 of 26		Yakama Indian Nation Office of Legal Counsel P.O. Box 151

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Q Please state your full name and business address?

A Morris Leo Uebelacker, Central Washington University, Lind Hall, Room 119, 400 East 8th Avenue, Ellensburg, WA 98926.

Q What will you be testifying about?

A I will be testifying to the traditional and customary uses of the Mid Columbia and Upper Yakima River Basins by the Yakama people, the resources and cultural places located within these regions, their importance and value to the Yakama people, and the potential impact to these resources and places posed by the proposed cross cascade pipeline.

Q Please tell us your educational and employment history.

I refer you to Exhibit One, which is my Vita, and summarizes my educational and employment history. As that document indicates I have a Bachelors of Science in Anthropology from Central Washington University in 1975, a Master of Arts in Anthropology from the University of New Mexico in 1977, and a Doctor of Philosophy in Geography from the University of Oregon in 1986.

I currently teach and do research at Central Washington University as a Professor of Geography in the Department of Geography and Land Studies. I teach a wide variety of classes at both the Undergraduate and Graduate levels and specialize in land use history and landscape change. Over the past four years I have focused my research on Native American land use patterns in Kittitas County. This included research aimed at the construction of a "Native American Traditional Resource Value Map" for Kittitas County. Prior to my joining the teaching staff at CWU I spent several years working for

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the Yakama Indian Nation on a wide variety of land use projects. This work was focused on assessing the impacts to Tribal traditional resources and places.

Are you familiar with the landscape and resources located within the Upper Yakima

and Mid Columbia River Basins? If so, how have you gained this familiarity?

My familiarity with these regions began as a child. I was born in this region. My

mother's family farmed on the Yakama Indian Reservation and my father's family lived in

Ellensburg. My family members had direct knowledge of the land and shared this

knowledge with me. I spent my summers on the Reservation and also began to know and
learn from the Indian people there. It was this experience that initiated my pursuit of

understanding how the landscape had and is changing and how indigenous people
interacted with the landscape.

During my undergraduate years I worked in the Okanogan area, the Upper Columbia region, and near the mouth of the Yakima River. During my graduate years I focused on the traditional land use of the Yakima River landscape. Later, as a consultant with the YIN (8 years) I worked on land use and cultural issues for projects across the Ceded lands and other usual and accustomed places of the Yakama people. Through this work I came to know well the customs and traditions of the Yakama people, and I am consequently very familiar with the traditional and cultural uses made of the lands within the Ceded Lands of the Yakama, including the Mid-Columbia and Upper Yakima River Basins. These are lands that the proposed pipeline crosses.

Later, as a professor at Central Washington University I focused my attention on the traditional land use patterns of Kittitas County in particular. This county constitutes

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that the proposed pipeline must cross. Through work with the Yakima Resource

Management Cooperative (YRMC) I developed, with the assistance of my students, a

model describing the traditional and cultural use of the lands and resources within Kittitas

County by Native people. I am currently working on expanding the application of this

model to the entire Columbia River Basin

Q Are you familiar with the Yakama Indian culture, traditions and customs? If so how have you gained this knowledge?

I have a fairly extensive knowledge and understanding of the Yakama Indian culture, traditions and customs. This knowledge stems from my work with the YIN, assessing the impacts to traditional cultural places (properties) from past, present and proposed land uses. This work was done under the direct tutelage of Yakama elders, the Cultural Committee, and the YIN Cultural Program. Thus my knowledge comes directly from work with the Yakama people themselves and it is work that was focused on the Reservation, the Ceded Lands, and on their usual and accustomed places. In many ways my knowledge is most useful in assessing potential impacts to Tribal values on a specific piece of land. I attempt to continue learning from these people as I continue my research on traditional land use within the Columbia River Basin.

Q	Have you reviewed any documents relating to the proposed cross cascade fuel
	pipeline? If so what documents have you reviewed?
A	I have reviewed portions of the Application for Site Certification Agreement
	(Application) and Draft Environmental Impact Statement (DEIS) relevant to cultural
	resources, and the Revised Cultural Resources Assessment (1997) produced by HRA
	Associates.
Q	And are you familiar with the proposed route and construction methodologies to be
V	used as the pipeline crosses the Upper Yakima and Mid-Columbia River Basins?
A	Yes. I have reviewed the proposed routes and its alternatives beginning east of the
	Snoqualmie tunnel down to Pasco. I am also aware of the construction techniques to be
	used in building this pipeline.
Q	Can you give us a definition of a cultural resource as the Yakama People would
	define it?
A	The Yakama Indian Nation recognizes two broad classes of cultural resources. These are
	Traditional Resources, of direct importance to living and future generations of indigenous
	people, and Archaeological Resources, reflecting the relationship between human
	systems and the landscape. Although related, these types differ in their physical
	expression in the landscape and in the ways they have been and can be altered or
	enhanced by land use activities.
	Traditional Resources are the biosphere (plants, animals, fish, birds, insects
	reptiles), lithosphere (rocks, minerals, soils), atmosphere and hydrosphere. Traditional

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Resources also include meaningful cultural places (site and situation) that have been and continue to be assigned meaning through use or the potential to be used. These Resources are important because they are absolutely essential to the maintenance of a living culture.

Archaeological Resources include all physical evidence of the composite and overlapping use of the landscape by human systems. Archaeological Resources consist of a wide variety of features, artifacts, and sediments arrayed in the dynamic context of the landscape. Importantly, these resources include landscape elements which do not contain direct evidence of human presence but do contain information on the processes and events which created the landscape. This predominantly stone and sediment testament is an expression of human behavior important to the YIN and to archaeological science.

Q And can you provide a similar definition for a Traditional Cultural Property (TCP)?

A Traditional Cultural Property is essentially what I defined above as a Traditional Resource. Examples of these include berries, roots, medicinal plants, water, and sacred places. A TCP could be a small drainage where particular plants grow, an area where certain ceremonies are conducted, such as vision quests, an area where certain families dug for roots, or other spiritual sites. They generally are areas which have been assigned meaning by a particular culture, and which only that particular culture can ultimately assess.

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What types of cultural resources and/or TCP's can be found in the Upper Yakima and Mid-Columbia River Basins within the Ceded Area of the Yakama peoples and along the route of the proposed fuel pipeline?

The cultural resources present along the length of this proposed pipeline include a broad range of resources both archaeological and traditional in nature. What we see is a range of resources across this corridor from the top of Snoqualmie Pass to the Tri-Cities, spanning different seasons of use. The traditional resources range from the areas at Snoqualmie Pass which really are spring/summer/fall resource areas and involve plants, animals, fish, and big game and small game, to the areas of the Pasco Basin which involve fish and desert root crops available in the spring, and large and small game.

It's along this gradient from high elevation mountain environments to low elevation desert environments that these traditional people made their living. The pipeline corridor itself traverses the entire seasonal round of these bands, crossing from Snoqualmie to the Pasco Basin. The path that the pipeline follows, beginning at elevations of approximately 3200 feet down to about 350 feet, is the heaviest used resource zone of that elevation gradient. My research indicates that the majority of human use in the eastern Cascades occurred from about 3,500 feet down to 350 feet. This pipeline runs down some of the higher resource value lands and runs along the Yakima River corridor and traverses and crosses many of the ecological edges in this region. The Traditional Resource values are extremely high for many of these situations particularly the forest edges, the riverine edges, and shrub steppe edges. Where the riverine edge, the forest edge, and the shrub steppe edge are in spatial coincidence we find the zones of maximum diversity. This happens in various areas along the proposed pipeline route and

is important because these situations are high value traditional resource zones. I will speak in general terms here but the published literature contains detailed lists of plants, animals, fish, and birds that are known traditional resources, as well as a copy of the Treaty of 1855 between the Yakama People and the United States, preserving the Yakama's rights to use the area we are discussing. See Exhibit 2, excerpts from Nch'I-Wana "The Big River" by Eugene Hunn, University of Washington Press, 1990.

The landscape which the pipeline route follows can be broken down into fairly distinct areas of Traditional Resource, or TCP, presence and use. Beginning at the top of Snoqualmie pass, and near Lake Keechelus, at the higher elevations is an area which was historically, and is currently used, during the summer and fall months for resource harvesting and cultural and religious practices. The region still contains meaning to the Yakama people in terms of landscapes and resource areas. One can expect to find, for example, berry harvesting places, fishing locations, and medicinal plants and cedar roots gathering places. There are also Archaeological properties that represent the time period from the end of the glaciation to the present. (For instance there is known Clovis material from the moraine at the downstream end of Lake Cle Elum. This indicates that the occupation of this area spans some 12,000 years.)

As the pipeline comes down into the river valley it crosses a variety of traditional resource zones through the Kittitas Valley. These include riparian, wet meadow, and shrub steppe resource zones. Numerous streams that contained anadromous fish combine with these zones to form a landscape rich in traditional resources. The Yakima River itself contains coho, sockeye, chinook, steelhead, and other aquatic resources – ducks, mussels, and eels. As noted above, this area contains valuable edge environment where

Traditional Resources are more plentiful and diverse. The areas beginning just around Cle Elum through the Swauk Creek area and the Yakima River are some of the highest valued resource lands that the Tribe is interested in and that the Yakama people utilize. Of particular importance in this area are the usual and accustomed fishery, forest resources, shrub steppe resources (root crops), riparian berries, and large and small game. Importantly this region is a major large animal winter range. This area is known to contain winter villages and their associated activities marking it as a region of long tradition and intensive use.

As the pipeline emerges from the Kittitas valley it really enters an area that is increasing in aridity, and is a major winter range area for large game. Hunting is a major activity that has and still occurs in this region. It is also an area that provides some of the earliest spring root crops to the Yakama. On southern exposures roots are often available by the end of February. The streams in this area, some of which contained anadromous fish, particularly steelhead, contained, and may still contain, riparian associations such as serviceberry, chokecherry and elderberry, all of which are Traditional Resources of the Yakama.

As the pipeline approaches the Columbia River, near Vantage, it enters a zone of extreme aridity where precipitation often times does not exceed 8 inches in a year and a cold desert climate exists. This aridity makes all places where moisture accumulates, in ponds, springs, seeps, and stream courses, places where human activity concentrated. All of these features have been and are key locations in the Archaeological and Traditional Resource landscape. Most of the edible roots that are located east of the forest edge avoid summer heat by storing water in roots below ground, and are only easily located in

early spring. They are not visible the rest of the year. This region was historically populated with winter villages, particularly at the mouths of major drainages such as Johnson Creek, Whiskey Dick, and Skookumchuck. Associated with these past villages are cemeteries, longhouse locations, sweat lodges, storage facilities, sacred places, and resource extraction and processing areas. These associated features are known as a winter village complex and represent areas of intensive use. The pipeline crosses several of these intensive use zones and, in part, this accounts for the increased complexity of archaeological impacts along the Yakima and Columbia Rivers.

Cemeteries tend to lie in talus slopes, rock shelters, alluvial terraces, flood deposits and also along ridgelines in areas of patterned ground. These patterns of burial have been observed by archaeologists and are well known by Native people. I myself have knowledge of burials in the Skookumchuck and Whiskey Dick Canyons and near the mouth of Johnson Creek . In addition, cemeteries are known to exist in and around the mouths of streams at Teanaway, Swauk, and Taneum in association with winter village complexes located there.

Within this region near the Columbia River, in the arid environment described above, the streams all terminate in headwater draws. These are areas where spring root camps, fall hunting camps, and traveling camps were set up. The Yakama and Wanapum camped in those areas and exploited the resources located on the ridge tops, slopes, and stream bottoms. These were areas primarily of early spring, early summer and fall use. These streams, tributary to both the Columbia or the Yakima River, often contain a stepped canyon landscape with basalt cliffs intermingled with more gentle slope deposits. The bottoms of these formations, where the water is available, are major resource

processing and camping areas. This has resulted in high densities of archaeological deposits and traditional cultural material in stream bottoms and along ridge tops, particularly in the headwater draws of these streams. I have never been in the headwater reaches of one of these streams were I did not find archaeological material and major traditional resource use zones. For example, along ridges it is typical to find saddles or breaks in the ridge line through which large game predictably passes. In these locations it is almost certain that projectile points will be found in higher density than areas where the landscape is less restrictive to animal movement. All these saddles are usual and accustomed hunting areas.

It is essential to realize that the Gingko area is known for its lithic resources and, as indicated by numerous archaeological reports, it has been known and utilized for thousands of years. The region contains lithic source areas of almost unbelievable size.

Often these areas are many acres in extent. This identifies these lithic source areas as traditional resource areas.

When you cross the Columbia River you are still in the zone of spring root gathering, winter hunting, and lithic procurement areas. There are known burials in this region, particularly along the Columbia and in the area around Crab Creek. Crab Creek was known for wetland associated plants used for various things, including tulle mats. This drainage was and still is an important spring plant gathering area. Portions of this terrain have been surveyed by a number of people, and this research shows heavy usage along Crab Creek itself as well as on the top of Saddle Mountain. The Saddle Mountains contain scared places.

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The Royal City area is characterized by areas of deep soil and other areas where the soil is relatively shallow. Thus this area contains a variety of root crops and other important plants. In addition there are some sand dune areas that contain special plants. Although this area is often seen as an undifferentiated area of shrub steppe habitat, it is actually a very patchy environment where plant species and growth correlates to the soil depths and moisture conditions. Some communities were dominated by big sagebrush grass, others are lithosol areas with very shallow soils. All of these contain various kinds of plant foods. Some of these are used for medicine, some for the construction of houses, longhouses or sacred structures, basket materials, clothing and other purposes.

Throughout this corridor bighorn sheep occurred in patches, although they are no longer present in the area.

I am less familiar with specific places south of the Saddle Mountains along the pipeline corridor, but I expect these same patterns to generally hold.

How are these TCP's or other cultural resources important to the Yakama people, and what is their relevance to the survival of the Yakama culture and way of life?

These resources and places are a significant part of what makes up the Yakama culture and are absolutely essential to the continued existence of that culture. What cultural resources and TCP's still remain are of heightened importance due to the degradation and elimination of resources caused by the continued expansion and development in this region.

Q	What is the likelihood that these resources are located and will be found along the
V	
	proposed pipeline route?
A	They are located and will be found along the proposed pipeline route. Some of the
	important plants will even be found in already disturbed areas, such as the present BPA
	right of way corridor.
Q	Having reviewed the Application, DEIS and Cultural Resource Assessment, is there
	any indication that a survey was done to locate these TCP's along the proposed
	routes of the pipeline?
A	No. A survey for TCP's was not conducted, however some TCP's may have been
	located incident to the archaeological survey (Cultural Assessment) and vegetation
	survey which were conducted. But, neither of these surveys was adequate to determine
	the nature, extent, and location of all TCP's in relation to the proposed pipeline route.
Q	Please briefly describe for us the Cultural Resource Assessment that was conducted
	along the pipeline route.
A	The Cultural Resources Assessment provides the results from a walkover survey of
	nearly the entire pipeline proposed route. The survey was limited to a 200 foot corridor
	along the center line of the pipeline corridor, and in areas where pump stations were
	proposed. It was conducted in 15 to 30 meter transects. It was a survey designed to
	locate what I have defined as Archaeological Resources of both historic (50 –150 years)
	and pre-historic origins (≥150 years, or otherwise Native American in origin),
	investigating landscape use over a broad time period. It was not designed to identify
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TCP's or any sites which are currently used.

Q Did this survey for archeological resources include any survey for TCP's?

A No it did not specifically look for Traditional Resources.

Q What sorts of things was the Cultural Assessment intended to locate, and what types of things did it locate?

Again, it was designed to locate what I have defined as Archaeological Resources, not Traditional Resources (TCP's). These archaeological resources included both historic and pre-historic properties. Examples of historic properties are things such as old refuse, cabins, old railroad tracks, or other sites which indicate past use of the landscape for irrigation, transportation, development etc... Examples of pre-historic archaeological sites include burial sites, lithic scatters, cairns, talus pits and other artifacts of Native American origin and generally older than 150 years.

The Assessment actually located 24 historic period sites and 12 pre-historic period sites, in addition to the numerous sites already on file with the Office of Archaeological and Historic Protection (OAHP). The pre-historic sites located included lithic scatters, cairn sites, and possible burials. Also reported in the assessment are some sites which the report states may or may not be eligible for listing in the National Registry. These sites included stripped cedar trees, and several rock cairns. These two items can be categorized as Traditional Resources or TCP's. The rock cairns could mark grave sites, spiritual sites, or other important cultural places. Only a Yakama or Wanapum person could properly determine the importance and purpose of these rock

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cairns.

Most of these newly located sites were in the vicinity of the Columbia River and Gingko State Park.

The Cultural Assessment already completed calls for further study of several of the sites it located. What sort of further study is called for, and for what purpose?

The Cultural Assessment was completed after a visual survey of the lands along the pipeline corridor. Visual surveying of a site cannot often accurately depict the breadth and depth of the site. It is likely, especially in the areas in and around the Columbia River and Gingko State Park, that the lithic scatters located by the survey, or previously registered, are very large, and much larger that what they appear to be from the surface. Further investigation is needed to accurately bound these sites and to properly mitigate for possible impacts. This follow up work must be completed, and the recommendations made in the Cultural Assessment for further study should be required to be completed.

Q What is the value of these archeological sites to the Yakama people?

All archaeological sites are religious and sacred in nature to the Yakama people. They are seen and valued as physical manifestations of Yakama ancestors within the landscape. It is believed by some Yakama people that the spirits of these ancestors are still present at these sites. In addition, but secondary to their sacred value, archaeological sites are tied directly to past use and have value in demonstrating the use of the landscape by past generations. They are testimony to patterns of use that are directly tied to traditional practices. As such, they have many different but related uses and values, including oral

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history, continued cultural practices, and Treaty right protection. However, the Yakama's insist that these sites remain undisturbed.

Q How is the value of these sites affected by disruption of the site, by actual destruction of the artifacts or by excavation and removal?

The Yakama people consider such disturbances as desecration and sacrilege, and believe that avoidance of these sites is the only acceptable and proper course of action. In fact, it is the policy of the YIN cultural program to not even directly touch any artifact even once it has been removed, by some other party, from the landscape. An exception to the excavation and removal of sites has been made by the YIN where a site is placed at risk of destruction by natural occurrences such as flooding or erosion, but this has been rarely applied.

Western science does not place the same value upon these sites, and thus their disturbance is not seen as improper. In fact, western science places value on these sites for the information they can reveal about how humans functioned as a culture or group upon the landscape, how humans reacted to their particular environment, and how climate and other ecological patterns changed and varied. As such, the disturbance of these sites for purposes of excavation and, ultimately, study, is not seen as improper but instead as desirable. The western and Yakama views are at odds with one another.

	Q	Are you familiar with the Vegetation Report which was completed for this project?
	A	I am aware that a study was completed and have reviewed those portions of the
		Application and DEIS which discuss the results of this study, but I have not had the
		opportunity to review the Report itself.
•	Q	In order to effectively and properly survey for plants of importance to the Yakama
		people what sorts of measures or protocol need to be followed?
1	A	A survey must be done by visually inspecting plant growth on the surface of the land.
		However, timing and frequency of such visual surveying is crucial to the success of such
		a survey. For example, in the shrub steppe region, several surveys must be done from
		February through June in order to insure that any plants actually present are located, due
		to the varying growth patterns of the different plants used by Native peoples. In addition
		it is crucial that any survey for TCP's be tied to interviews with Tribal elders concerning
		traditional use areas and other sacred sites. Only by following these measures can a
		survey adequately indicate the presence of these plants used and revered by native
		peoples such as the Yakama.
ľ	Q	Based upon your review of the DEIS and Application and their discussions of this
		Vegetation Report, does it appear that these methods were implemented, and were
		any TCP's located as the result of this study?
1	A	The table within the DEIS (Table 3.3-1, page 3-40) lists only 70 species of plants located
		as the result of this study along the entire pipeline corridor and within the many different
		habitat types that corridor crosses. Many of the pants inventoried are of technological

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and possible medicinal use to Native Americans, in accordance with their traditional practices. However, the diversity of food species listed in these tables is very low. Only two lomatium species (desert root crops still dug for and eaten by the Yakama), out of at least 10 species historically located in the shrub steppe habitats of this region, were identified in this study. This list should be much more diverse and extensive. Even in disturbed areas, such as the BPA Right Of Way corridor, certain native species used by the Yakama can grow. These limited findings and the lack of diversity lead me to believe that this study was not completed in a manner which would adequately indicate the presence of plants which function as traditional resources for the Yakama people.

Supporting this belief is the fact that there is no discussion of effects to Native American use of these plants within the section of the DEIS and Application which discuss plant life.

Q Are you able to identify where different types of TCP's are actually located in relation to the proposed pipeline corridor?

No, not definitively or completely. However, I can tell you that there are areas of shallow stony ground that contain important plants, lomatium, garlic, onions, and bitter root. There is a complex of traditional plants which thrive in those kinds of soil areas. In the deeper soils you will find more deeply rooted traditional plants, such as balsam root. Huckleberries will grow in forest areas which have been subjected to fire. One can differentiate between the kinds of settings and types of resources in this general way. The fact is that this pipeline will run directly through the main corridor of land which still contains resources utilized by the Yakama people. I do have knowledge of some such

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sites which I can place in relation to the pipeline, but in order to adequately and accurately locate these resources a properly designed survey must be completed. The surveying and analysis done to date, for other purposes, is inadequate to do so. Finally, none of the surveys already completed account in any way for sacred religious sites used by the Yakama people.

Q What are the possible and foreseeable impacts of constructing this pipeline upon the TCP's which you have identified as likely being present along the pipeline route?

Clearly the impacts to TCP's will depend upon the type of TCP affected and its proximity to the construction corridor. Sacred sites, such as vision questing places, could be completely destroyed by their removal, damage caused by excavation, or simply by disturbance. Plants, including different roots, berries, and medicinal plants, would likely be destroyed and prevented from re-growing by digging activities, compaction of soils caused by heavy machinery, alteration in the flow of water across the landscape, increased erosion, and other ground disturbance from human activities. In addition, the ground disturbance caused by construction can create a pathway for the migration and movement of noxious weeds and exotic plants, particularly cheet grass. This could then negatively influence native plant populations.

- Q Are these potential impacts limited to the pipeline construction corridor, or can they extend beyond the bounds of the area in which digging and other ground disturbance will take place?
- A The impacts to certain Traditional Resources will extend beyond those areas directly

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disturbed by construction. In many rocky lithosol areas the traditional plants growing there are highly dependant upon ground water seeping and moving across and through the soil. Either digging or compaction activities can break the flow of this water across the landscape and have the potential to affect plant survival across larger areas and extend well beyond the areas physically disturbed. Re-routing or disruption of the surface, soil water, and ground water flows along the pipeline corridor could potentially affect several acres beyond the limits of the corridor. The extent of such impacts will vary depending on the physical aspects of the specific landscape. The DEIS alludes to this type of effect, where it states that slumping and or washing are possible, but cannot be specifically predicted. Again, a survey needs to be completed in order to accurately assess the potential for this type of impact.

Q Is it possible to restore these areas effectively? Why or Why not?

In most cases it will not be possible to restore these areas effectively. These are easily disturbed plant communities. Things such as bitter root will probably never grow there again. However, it is true that some traditional native plants will grow in disturbed areas. But, for those plants which are sensitive to and highly dependant upon water flows, ground, surface or soil water, restoration is highly unlikely, because it is very difficult to repair and restore these hydrological systems. A good example of the long term effects of this type of activity is the seismic testing which was conducted in the 1970's for oil exploration near the Columbia River and Gingko State Park. The seismic tamper lines are still visible in that region, the compaction is still present, and the vegetation has been so altered along those strips that native vegetation patterns have yet to be re-established.

1	Q	Can cultural or religious value be permanently destroyed through disturbance, or is
2		it possible to restore this value?
3	A	There is no question that religious values will be destroyed permanently. Just the
4		pipeline's presence in the ground upon or near a sacred site affects the sacred value of the
5		site. A description of exactly how that disturbance or destruction is felt is something that
6		only a the Native person(s) involved with that particular place could answer. But the site
7		is permanently altered and changed. For example the Saddle Mountains contain known
9		vision quest areas. I cannot answer how the presence of the pipeline located below these
10		places along Crab Creek may impact the sacred nature of the religious practices that
11		continue there. I can say that this and several related questions need to be answered by
12		direct involvement of the people who have direct knowledge of and participate in the use
13		of these places.
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15	Q	Are you familiar with Gingko State Park, the petrified forest located there, and the
16		areas surrounding these landmarks?
17	A	Yes, I am.
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19	Q	Have you reviewed the project proposals relating to these areas?
20	A	Yes I have.
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1	Q	Do the petrified forest or areas near this landmark have particular significance to
2		the Yakama people?
3	A	The areas near Vantage, along the Columbia River, and in and around what is now called
4		Gingko State Park have historically been used by the Yakama people for thousands of
5		years and do hold cultural value. There are root grounds, hunting grounds and sacred
6		sites throughout this area whose use dates back a very long time. The petrified material
7		was the major material source for stone tool manufacture. As a result of these and other
8		uses, there are burials in varying and often unknown locations.
9		Currently this area is still used by the Yakama and Wanapum people for spring
10		root gathering, and for hunting. The plants and animals gathered from this area are then
11		used in subsistence, and ceremonial and traditional religious feasts. The traditional
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13		resources in this area are an integral part of the Yakama and Wanapum religions.
14		
15	Q	What types of cultural resources do you know to be located in these areas?
16	A	The same types of Traditional and Archaeological resources which I described earlier
17		will also be found in this area. As I said, it is an area of extensive historic and current
18		cultural use.
19		
20	Q	Compared to other areas along the pipeline route, is the area near the Columbia
21		River, including and surrounding Gingko State Park, likely to contain greater
22		numbers of TCP's or other cultural resources?
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24	A	Yes. The area is known and still used as a resource area. Historically, there was a highe
25		population density at certain seasons of the year along the Columbia River and in and

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within the project area. However, a properly designed survey and follow up research could provide information to enhance mitigation.

Q Is it reasonable to expect that resources will be discovered during construction which will not have been located during a survey?

A Yes, it is certain this will happen, and it is necessary that a cultural specialist and professional archaeologist be on hand during construction activities. Only these trained people can identify cultural resource material be it Archaeological or Traditional in nature.

Q When such resources are discovered what does the Yakama Nation believe the proper protocol to be and why?

The primary belief of the Yakama people is that these sites should be avoided and protected in place. Where disturbance occurs unexpectedly the first step is to stop work immediately within the vicinity of the resource. Second, the Yakama Indian Nation and other appropriate governmental agencies need to be notified immediately. Appropriate action from that point will depend somewhat upon the type of resource located and the amount of damage that was inadvertently caused. A professional archaeologist and cultural specialist must evaluate the site. The YIN asserts that these resources should be left where they are, restored as much as possible and then avoided from that point forward. This is the only way to protect their sacred value. In addition, certain ceremonies may need to be conducted, for instance if a burial site is disrupted. Restoration and avoidance are the only option where burial sites are disturbed.

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However, it is recognized that re-routing the project in order to avoid these sites may not always be possible. In addition, damage to the site may be so extensive that restoring it is infeasible. In those cases where no other option is available, and the site is not a burial or other highly sacred site, the YIN has acquiesced to professional excavation of a site, with curation of any artifacts or properties removed, which relate to the Yakama people, in the Yakama Nation Heritage Museum. This should be considered as a last option only. Normally a process is set up by which all involved parties can come to agreement on how to treat the site, with dispute resolution being required if agreement cannot be reached. Finally, any site located should be properly registered with OAHP, and all information concerning the site must be kept confidential.

Q In your review of the documents related to the proposed pipeline have you seen any proposed protocol for this type of situation?

No, not that would address the concerns of the Yakama Indian Nation or that are specific to Traditional Resources (TCP's). There are, of course, established protocols for dealing with National Register sites or sites discovered while construction activity is occurring. These operate through the State Office of Historic Preservation.

1	I declare under penalty of perjury under the laws of the State of Washington that the above		
2	testimony is true and correct to the best of my knowledge and belief.		
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5	Dated this 12 th day of March, 1999.		
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7	Morris L. Uebelacker		
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Uebelacker Direct Testimony Page 26 of 26

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